



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

waves will be possible, the corresponding vibrations of the molecules being in three directions, at right angles to each other, though not, in general, parallel or normal to the wave-plane. Mr. Haughton investigates the possibility of the vibrations being normal and transversal, and finds that for particular directions of wave (given in the paper), the vibrations are, two in the wave-plane, and the third perpendicular to it. He discusses also at length the other two cases, together with the equations of condition which hold in general at the limits, and the geometrical interpretation of these conditions by means of the fixed ellipsoids (10).

The President read a note from Edward Cooper, Esq., giving the place of the new Comet, as observed at Markree, May 18d. 12h. 6m. Greenwich mean time.

DONATIONS.

Report of the Commissioners appointed to take the Census of Ireland for the Year 1841. Presented by W. R. Wilde, Esq.

Transactions of the Botanical Society of Edinburgh. Vol. II. Parts 1 & 2. Presented by the Society.

Lettres a S. A. R. le Duc Regnant de Saxe Coburg et Gotha, sur la Theorie des Probabilites appliquee aux Sciences morales et politiques. Par A. Quetelet. Presented by the Author.

Annales des Sciences Physiques et Naturelles, d'Agriculture et d'Industrie, publiees par la Société Royale d'Agriculture, &c., de Lyon. Tome VII. Année 1844. Presented by the Society.

Popery unmasked. By John Ryan, Esq. Presented by the Author.

The thirteenth Annual Report of the Royal Cornwall Polytechnic Society. 1845. Presented by the Society.